

03050205-050
(Edisto River)

General Description

Watershed 03050205-050 is located in Dorchester and Colleton Counties and consists primarily of the *Edisto River* and its tributaries from Indian Field Swamp to Four Hole Swamp. The watershed occupies 9,885 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Chipley-Ogeechee-Leon-Albany-Rains series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 0.65% urban land, 9.84% agricultural land, 3.42% scrub/shrub land, 0.48% barren land, 73.89% forested land, 10.30% forested wetland (swamp), 0.45% nonforested wetland (marsh), and 0.97% water.

As a reach of the Edisto River, this watershed accepts the drainage from all streams entering the river upstream. This section of the Edisto River also accepts drainage from Poorly Branch. There are a total of 15.0 stream miles in this watershed, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-015	P	FW	EDISTO RIVER AT SC 61, AT GIVHANS FERRY STATE PARK

Edisto River - This watershed was inaccessible for monitoring purposes, so the uppermost site in watershed 03050205-060 (E-015) was used to represent the water quality of 03050205-050. Aquatic life uses are not supported due to occurrences of copper in excess of the aquatic life acute standards. In addition, there was a significant decreasing trend in pH and significant increasing trends in turbidity and total suspended solids. The phthalate ester, di-n-butylphthalate, was detected in the 1994 and 1996 sediment samples. Significant decreasing trends in five-day biochemical oxygen demand and total phosphorus and total nitrogen concentrations suggest improving conditions for these parameters. Recreational uses are fully supported, but there is a significantly increasing trend in fecal coliform bacteria concentration.

A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).

Permitted Activities

Point Source Contributions

There are currently no point source dischargers in this watershed.

Mining Activities

<i>MINING COMPANY</i> <i>MINE NAME</i>	<i>PERMIT #</i> <i>MINERAL</i>
JF CLECKLEY & COMPANY CLECKLEY MINE #7	0484-18 SAND
TRULUCK INDUSTRIES GIVHANS PIT	0552-15 SAND

Growth Potential

There is a low potential for growth projected for this watershed.